

WiFi/BLE Rechargeable Belt Tag

The WiFi/BLE Belt Tag is especially suitable for surface and underground hardrock mines and tunnels. It integrates WiFi and BLE into a single wearable device. It features a user interface for miner activities, such as acknowledging emergency/evacuation alerts, sending duress calls, location information, text messaging and a digital clock.

The WiFi/BLE Rechargeable Belt Tag and WiFi/BLE Portable Tag are designed to enable the following Mine IoT Solutions:

- Personnel, Vehicle and Asset Tracking and Emergency/Evacuation
- Personnel Sign-In, Sign-Out and/or Assignment of Assets
- IoT Device and Data Management with Solution Customisation

Belt Tag Features



Easy to carry and charge



No charging socket to ensure best ingress protection



Utilises the same Charging Bank Infrastructure as Roobuck Cap Lamps



World's safest and most reliable Panasonic battery



Manufactured to quality management standard ISO/IEC 80079-34

Technology



WiFi 802.11 b/g/n



Bluetooth V4.2, BLE



IMU for your movement data collection and personnel safety applications

Product Specifications



Ingress Protection Rating
IP66/IP67



Running Time
30+ h



Charging Time
10 h



Battery Capacity
6 AH



Weight
160 g



Dimensions
79 x 63 x 52 mm

Certifications



CE



RCM



ICASA

Charging Banks for 8/35/53



Integration Specifications

- MQTT Compatible
- API Available
- LED Flashing Modes Configurable

User Interface

- Duress alert and Evacuation alert
- Send & receive preconfigured messages
- Configurations display
- Time display
- Battery life display

Display

- Type: OLED
- Size: 0.96 inch / 2.44 cm
- Colour: White text on black background
- Pixels: 128 x 64

Alerts

- Warning/illumination Light with two LEDs and frosted transparent cover
- Audio Buzzer
- Vibration Alert

RPT6A-WB

WiFi/BLE Rechargeable Portable Tag

The Portable Tag utilises the same hardware as the Belt Tag but has firmware designed for installation on vehicles or assets. It is not worn by personnel. It can be installed in a charging unit inside a vehicle for vehicle tracking. It can also be attached to a portable machine, tool or asset to track these objects.

Attachment/Mounting accessories can be provided. The device firmware can be customised and Over-the-Air updated to meet the functional requirements to accelerate your digital road map.

RBT6A-* / RPT6A-*

Rechargeable Belt Tag & Portable Tag

Other than WiFi/BLE, Belt Tags and Portable Tags come with other wireless technologies. The * in the model number will be replaced with the following letters corresponding to the technology:

W	WiFi (2.4GHz) for Tracking, Emergency & Duress Call	D	DSRC (802.11p) for Collision Avoidance
L	LTE (Cat M1) for Tracking, Emergency & Duress Call	M	Multiple Proprietary 3rd party Wireless Tags
B	BLE for location IDs, asset locationing, light control, sensor data log	O	LoRa to be released soon
U	UWB for Collision Avoidance		

Please note that some wireless tag combinations cannot exist in the same enclosure

Some Models are currently under development. Please contact Roobuck for details.

